



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010483
CERTIFICATION DATE: November 14, 2013
DATE RECERTIFICATION DUE: May 13, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

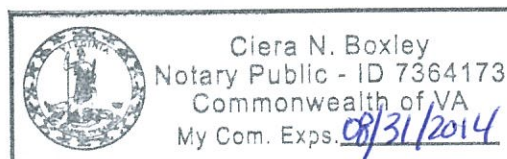
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLW



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013

DBH

NHL

Instrument Serial Number: 010483 **As of 19-Nov-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
14-Nov-13	14-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
31-May-13	31-May-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
14-Dec-12	14-Dec-12	DBH (21250)	CERTIFIED.
02-Jul-12	02-Jul-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Jan-12	19-Jan-12	DBH (21250)	CERTIFIED
28-Jul-11	28-Jul-11	HMS (18910)	REPLACED PRINTER RIBBON, REPLACED DRY GAS STANDARD, CERTIFIED
02-Feb-11	02-Feb-11	RJP (22428)	CERTIFIED.
18-Aug-10	18-Aug-10	RJP (22428)	CERTIFIED.
02-Mar-10	02-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
05-Oct-09	05-Oct-09	RJP (22428)	CERTIFIED.
09-Apr-09	09-Apr-09	RJP (22428)	CERTIFIED.
31-Mar-09	31-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
15-Dec-08	15-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010483 Worksheet Start Date 11/14/2013

Location Madison CO SO

Address 115 Church St Madison VA 22727

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no. New serial no. Supplies

E-Seek Mouthpieces

Keyboard Certificates of Analysis

Printer Operator Worksheet

UPS Other:

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010483

Certification Date 11/14/2013

Instrument Barometer (mm HG) 752

Reference Barometer (mm HG) 751

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.247	0.239	0.254	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.244
0.001		0.244	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG217702-27

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.098
0.001		0.098	0.099		

DFS Technician

Donald B. Gall

Date

11/19/13

Issuing Analyst

Melissa Kennedy

Date

11/24/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/14/2013
TEST EQUIPMENT NUMBER 010483		

RESULTS: TIME SAMPLE TAKEN 13:33 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:15

DBH

WHL

Test Results

Instrument Serial Number 010483

Test # 000538 Subject Test

Test Location 1 Department of

Test Date 14 Nov 2013

Test Location 2 Forensic Science

Test Time 13:27

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 14 Nov 2013 End Time 13:34

Result Time 13:33

Result Date 14 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:27

Data Type BLK

Sample Value 0.000

Sample Time 13:28

Data Type CHK

Sample Value 0.098

Sample Time 13:29

Data Type BLK

Sample Value 0.000

Sample Time 13:30

Data Type SUBJ

Sample Value 0.000

Sample Time 13:31

Data Type BLK

Sample Value 0.000

Sample Time 13:32

Data Type SUBJ

Sample Value 0.000

Sample Time 13:33

Data Type BLK

Sample Value 0.000

Sample Time 13:34

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG209402-49

Standard Expiration Date 04/03/2014

Tank Pressure 502

Barometric Pressure 752 mmHg

Blow Sample Number 1 Blow Duration 3.35 sec

Blow Volume 1856 cc End-of-Blow Time 13:31

Blow Sample Number 2 Blow Duration 3.75 sec

Blow Volume 1905 cc End-of-Blow Time 13:33

Tamper Evident Stamp 9d1b0035

Test Status Code 0

Test Status Success

DBH

ML

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010483 Test Number: 539

Test Date: 11/14/2013 Test Time: 13:36 EST

Dry Gas Target: 0.099

Lot Number: AG209402-49 Exp Date: 04/03/2014

Tank Pressure: 497 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:37
CHK	0.098	13:37
BLK	0.000	13:39
CHK	0.098	13:40
BLK	0.000	13:41
CHK	0.098	13:42

Test Status: Success

Calibration CRC: A691F03B

DB/H

WKL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010483 Test Number: 540

Test Date: 11/14/2013 Test Time: 13:45 EST

Dry Gas Target: 0.297

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 75 psi Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:46
CHK	0.294	13:47
BLK	0.000	13:48
CHK	0.294	13:49
BLK	0.000	13:51
CHK	0.293	13:52

Test Status: Success

Calibration CRC: A691F03B

DBH

Intox EC/IR-II: Software Version

NRK

Department of Forensic Science

Serial Number: 010483

System Date: 11/14/2013

System Time: 14:19 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DB/H

MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010483 Test Number: 541

Test Date: 11/14/2013 Test Time: 14:19 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 370 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:20
CAL	0.099	14:21

Test Status: Success

Calibration CRC: F379EFB5

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010483 Test Number: 542
Test Date: 11/14/2013 Test Time: 14:24 EST

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 2961225012-10 Exp Date: 11/01/2014
Tank Pressure: 134 psi Barometric Pressure: 751 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:24
BLK	0.000	14:25
CHK	0.245	14:26
BLK	0.000	14:28
CHK	0.245	14:28
BLK	0.000	14:30
CHK	0.244	14:31
BLK	0.000	14:33

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

Wsk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010483 Test Number: 543

Test Date: 11/14/2013 Test Time: 14:35 EST

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 634 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:36
BLK	0.000	14:37
CHK	0.147	14:37
BLK	0.000	14:39
CHK	0.147	14:40
BLK	0.000	14:42
CHK	0.147	14:42
BLK	0.000	14:44

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010483 Test Number: 544
Test Date: 11/14/2013 Test Time: 14:46 EST

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 100 psi Barometric Pressure: 751 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:47
BLK	0.000	14:47
CHK	0.079	14:48
BLK	0.000	14:49
CHK	0.079	14:50
BLK	0.000	14:52
CHK	0.079	14:52
BLK	0.000	14:54

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010483 Test Number: 545

Test Date: 11/14/2013 Test Time: 14:59 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 963 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:00
BLK	0.000	15:01
CHK	0.019	15:02
BLK	0.000	15:03
CHK	0.019	15:04
BLK	0.000	15:05
CHK	0.019	15:06
BLK	0.000	15:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010483 Test Number: 546

Test Date: 11/14/2013 Test Time: 15:11 EST

Dry Gas Target: 0.296

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 71 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:13
CHK	0.296	15:13
BLK	0.000	15:15
CHK	0.298	15:16
BLK	0.000	15:18
CHK	0.297	15:19

Test Status: *Success*

Calibration CRC: F379EFB5

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010483 Test Number: 547

Test Date: 11/14/2013 Test Time: 15:22 EST

Dry Gas Target: 0.099

Lot Number: AG217702-27 Exp Date: 06/25/2014

Tank Pressure: 384 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:23
CHK	0.098	15:24
BLK	0.000	15:25
CHK	0.099	15:26
BLK	0.000	15:27
CHK	0.098	15:28

Test Status: Success

Calibration CRC: F379EFB5

DBH

WHL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	11/14/2013
TEST EQUIPMENT NUMBER		
010483		

RESULTS: TIME SAMPLE TAKEN 15:37 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:15

DBH

MLL

Test Results

Instrument Serial Number 010483

Test # 000548 Subject Test

Test Location 1 Department of

Test Date 14 Nov 2013

Test Location 2 Forensic Science

Test Time 15:31

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 14 Nov 2013

End Time 15:38

Result Time 15:37

Result Date 14 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:31

Data Type BLK

Sample Value 0.000

Sample Time 15:32

Data Type CHK

Sample Value 0.098

Sample Time 15:32

Data Type BLK

Sample Value 0.000

Sample Time 15:34

Data Type SUBJ

Sample Value 0.000

Sample Time 15:35

Data Type BLK

Sample Value 0.000

Sample Time 15:36

Data Type SUBJ

Sample Value 0.000

Sample Time 15:37

Data Type BLK

Sample Value 0.000

Sample Time 15:38

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG217702-27

Standard Expiration Date 06/25/2014

Tank Pressure 375

Barometric Pressure 751 mmHg

Blow Sample Number 1

Blow Duration 3.48 sec

Blow Volume 1911 cc

End-of-Blow Time 15:35

Blow Sample Number 2

Blow Duration 3.68 sec

Blow Volume 2081 cc

End-of-Blow Time 15:37

Tamper Evident Stamp 506d36d1

Test Status Code 0

Test Status Success